

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Previously Presented): A contact-type image sensor module comprising:  
a light source configured to irradiate two or more sorts of light including infrared light on a document;  
a lens configured to focus light reflected from the document;  
a light-receiving part configured to receive the reflected light focused by the lens;  
a housing configured to contain at least the lens and the light-receiving part; and  
a transparent element to which the document draws near or comes into contact with, the transparent element supported by the housing, and provided on an area thereof through which the reflected light passes with infrared light shielding extending to a width of 0.1 through 0.4 mm in a direction orthogonal to that in which the document travels.

Claim 2 (Previously Presented): A contact-type image sensor module as recited in claim 1, wherein:

the transparent element has at least a two-tier structure;  
the transparent element on a side that a document face draws near is hemispherical;  
and  
the infrared light shielding is provided on the planar side of the hemispherical part of the transparent element.

Claim 3 (Currently Amended): A contact-type image sensor module comprising:  
a light source configured to irradiate two or more sorts of light including infrared light on a document;  
a lens configured to focus reflected light from the document;

a light-receiving part configured to receive the reflected light focused by the lens;  
a housing configured to contain at least the lens and the light-receiving part;  
a transparent element through which the reflected light passes; and  
a document guide to which the document draws near or comes into contact ~~with~~, the document guide is supported by the housing ~~attachably to or detachably from the housing~~, and includes a slit configured to pass the reflected light, and the document guide is configured to fix the transparent element.

Claim 4 (Currently Amended): A contact-type image sensor module as recited in claim 3, wherein the ~~document guide has a slit~~ is in the proximity of a reading position.

Claims 5-6 (Canceled).

Claim 7 (Currently Amended): A contact-type image sensor module comprising:  
a light source configured to irradiate two or more sorts of light including infrared light on a document;

a lens configured to focus reflected light from the document;  
a light-receiving part configured to receive the reflected light focused by the lens;  
a housing configured to contain at least the lens and the light-receiving part;  
a transparent element placed on a part of an area of the ~~element~~ housing configured to pass ~~through~~ the reflected light; and

a document guide supported by the housing and configured to draw near or come into contact with the document, and configured to fix-detach the transparent element from the housing when the light-receiving part receives the reflected light including the infrared light, ~~the document guide configured to draw near or comes into contact with the document.~~

Claim 8 (Previously Presented): A contact-type image sensor module as recited in claim 7, wherein the document guide has a slit in the proximity of a reading position.

Claim 9 (Previously Presented): An image reading apparatus comprising:  
two contact-type image sensor modules, each comprising:

    a light source configured to irradiate two or more sorts of light including infrared light on a document;

    a lens configured to focus light reflected from the document;

    a light-receiving part configured to receive the reflected light focused by the lens;

    a housing configured to contain at least the lens and the light-receiving part;  
and

    a transparent element to which the document draws near or comes into contact with, the transparent element supported by the housing, and provided on an area thereof through which the reflected light passes with infrared light shielding extending to a width of 0.1 through 0.4 mm in a direction orthogonal to that in which the document travels, wherein;  
optical axes of the two contact-type image sensor modules placed opposite each other are made to coincide;

    the housings of the contact-type image sensor modules are fixed to each other with a single metallic part; and

    both faces of the document are read out with the document being conveyed into a gap between the opposing document guides.

Claim 10 (Previously Presented): An image reading apparatus comprising:

two contact-type image sensor modules, each comprising having:

a light source configured to irradiate two or more sorts of light including infrared light on a document;

a lens configured to focus reflected light from the document;

a light-receiving part configured to receive the reflected light focused by the lens;

a housing configured to contain at least the lens and the light-receiving part;

a transparent element for passing through the reflected light; and

a document guide to which the document draws near or comes into contact with, the document guide is supported by the housing attachably to or detachably from the housing, and fixes the transparent element, wherein;

optical axes of the two contact-type image sensor modules placed opposite each other are made to coincide;

the housings of the contact-type image sensor modules are fixed to each other with a single metallic part; and

both faces of the document are read out with the document being conveyed into a gap between the opposing document guides.

Claim 11 (Canceled).

Claim 12 (Previously Presented): An image reading apparatus comprising:

two contact-type image sensor modules, each comprising having;

a light source configured to irradiate two or more sorts of light including infrared light on a document;

a lens configured to focus reflected light from the document;  
a light-receiving part configured to receive the reflected light focused by the lens;  
a housing configured to contain at least the lens and the light-receiving part;  
a transparent element placed on a part of an area of the element for passing through the reflected light; and  
a document guide for fixing the transparent element, the document guide to which the document draws near or comes into contact with, and supported by the housing, wherein;  
optical axes of the two contact-type image sensor modules placed opposite each other are made to coincide;  
the housings of the contact-type image sensor modules are fixed to each other with a single metallic part; and  
both faces of the document are read out with the document being conveyed into a gap between the opposing document guides.

Claim 13 (Previously Presented): An image reading apparatus as recited in claim 9, wherein in each of the contact-type image sensors,

the transparent element has at least a two-tier structure;  
the transparent element on a side thereof a document face draws near is hemispherical; and  
the infrared light shielding is provided on the planar side of the hemispherical part of the transparent element.

Claim 14 (Previously Presented): An image reading apparatus as recited in claim 10, wherein:

in each of the contact type image sensors the document guide has a slit in the proximity of a reading position thereof.

Claim 15 (Canceled).

Claim 16 (Previously Presented): An image reading apparatus as recited in claim 12, wherein:

in each of the contact type image sensors the document guide has a slit in the proximity of a reading position.

Claim 17 (New): A contact-type image sensor module comprising:  
a light source configured to irradiate two or more sorts of light including infrared light on a document;  
a lens configured to focus reflected light from the document;  
a light-receiving part configured to receive the reflected light focused by the lens;  
a housing configured to contain at least the lens and the light-receiving part;  
a transparent element through which the reflected light passes; and  
a document guide to which the document draws near or comes into contact, the document guide is supported by the housing attachably to or detachably from the housing, and configured to fix the transparent element,  
wherein the document guide has a slit in the proximity of a reading position.

Claim 18 (New): A contact-type image sensor module comprising:  
a light source configured to irradiate two or more sorts of light including infrared light on a document;

a lens configured to focus reflected light from the document;  
a light-receiving part configured to receive the reflected light focused by the lens;  
a housing configured to contain at least the lens and the light-receiving part;  
a transparent element placed on a part of an area of the housing configured to pass the reflected light; and

a document guide supported by the housing and configured to fix the transparent element, the document guide configured to draw near or come into contact with the document,

wherein the document guide has a slit in the proximity of a reading position.